

FIG. 1A

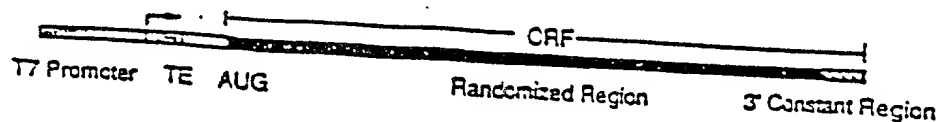


FIG. 1B

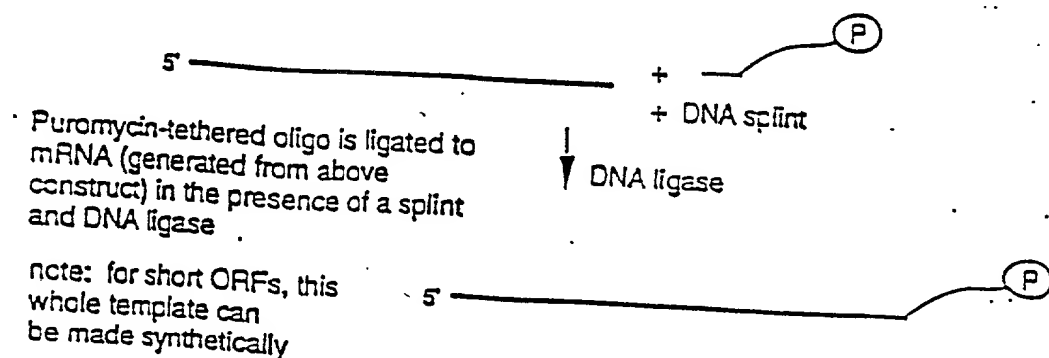
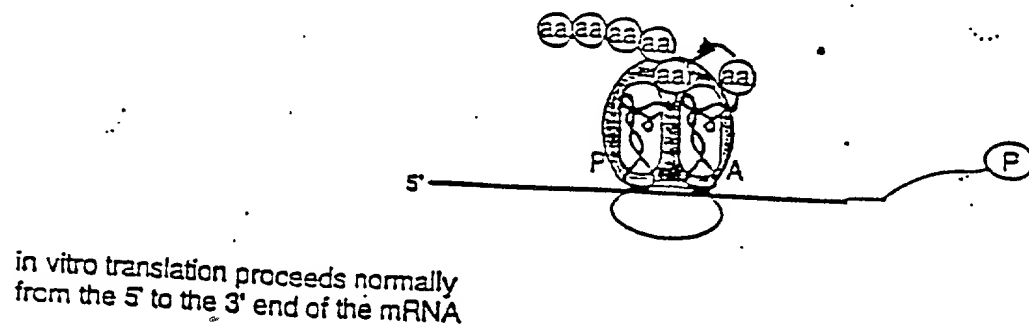
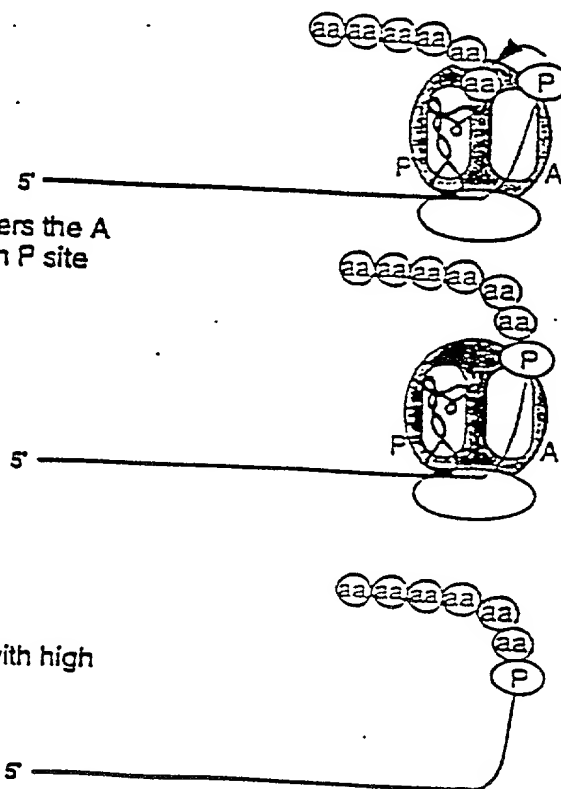


FIG. 1C



covalently linked puromycin enters the A site and attacks peptidyl tRNA in P site



Release of RNA-protein fusion with high salt wash of Ribosome

KEY

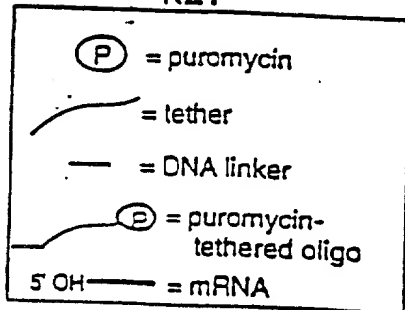


Figure 2. Generalized Protocol for Selection Experiments

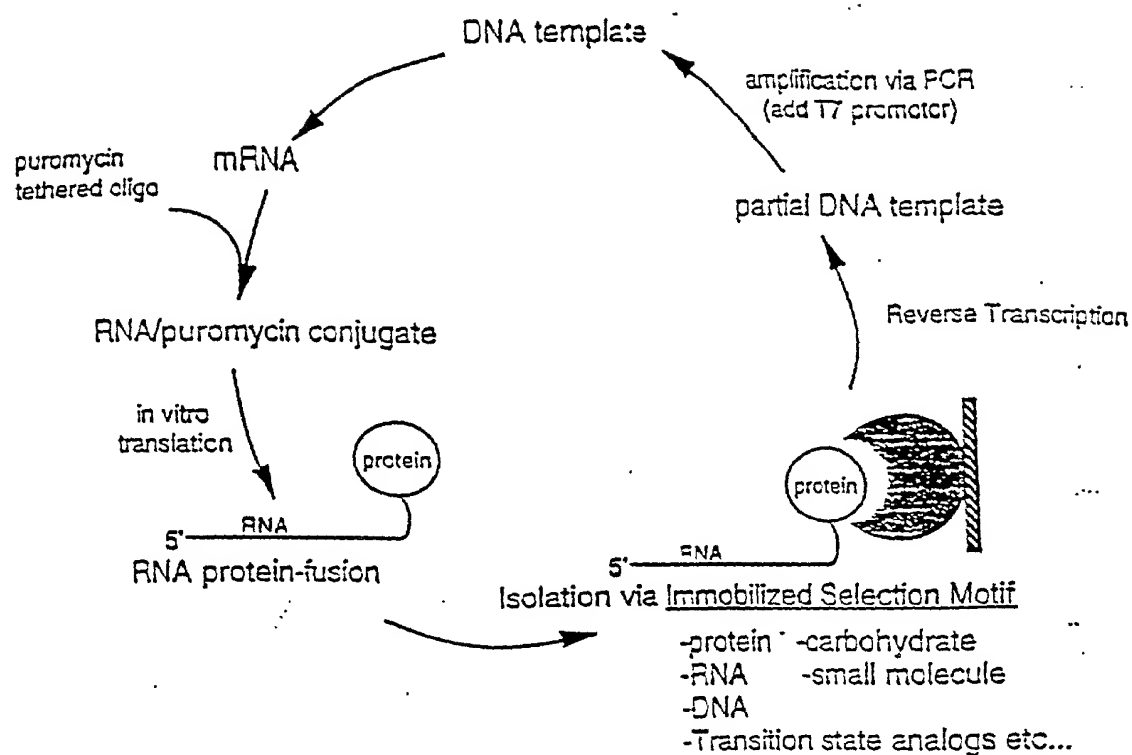
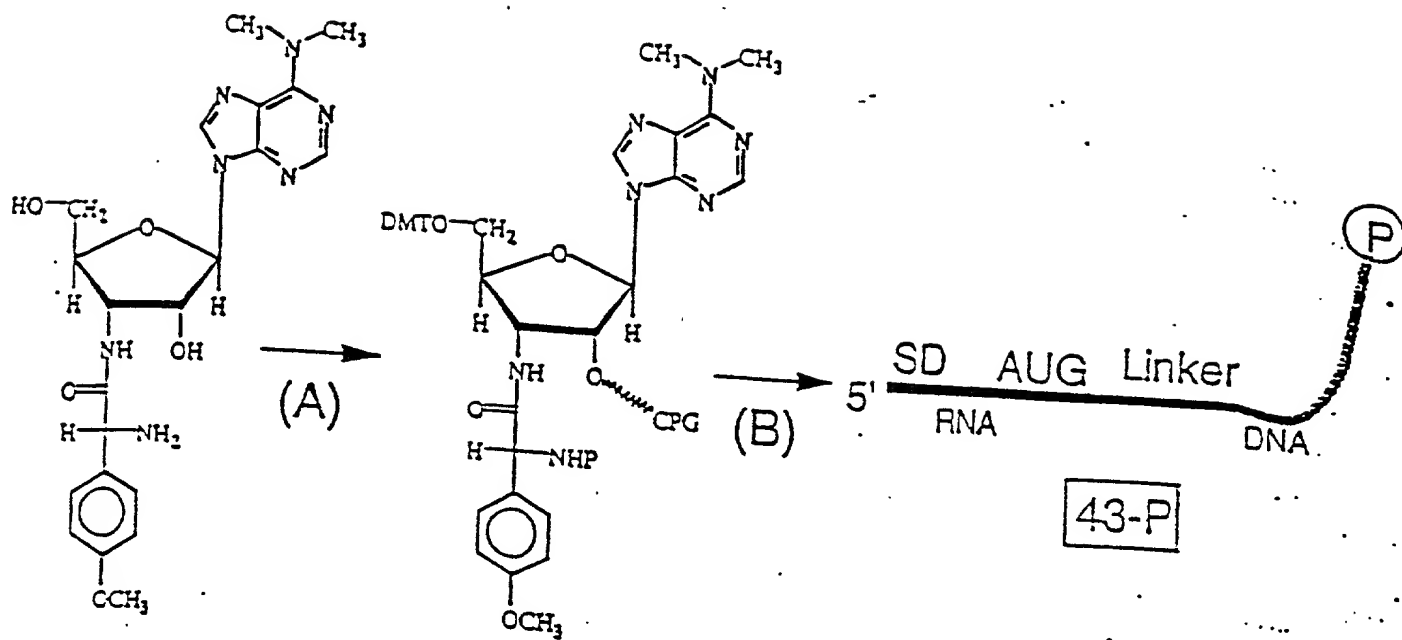
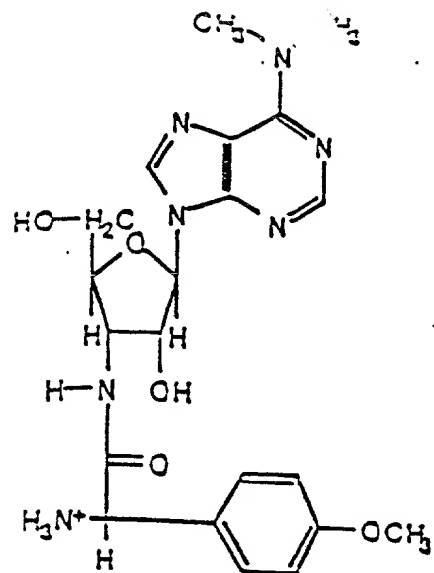


Figure 3.



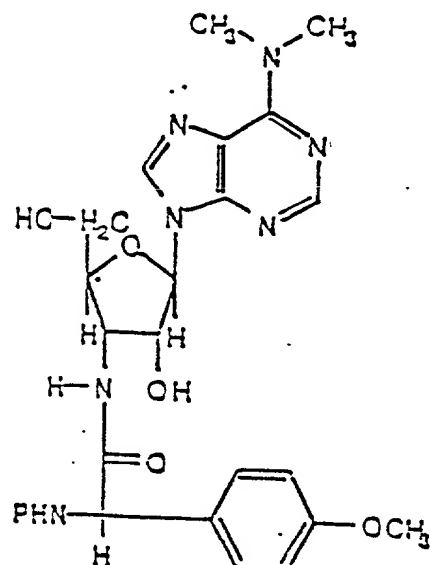
43-P

FIG. 4



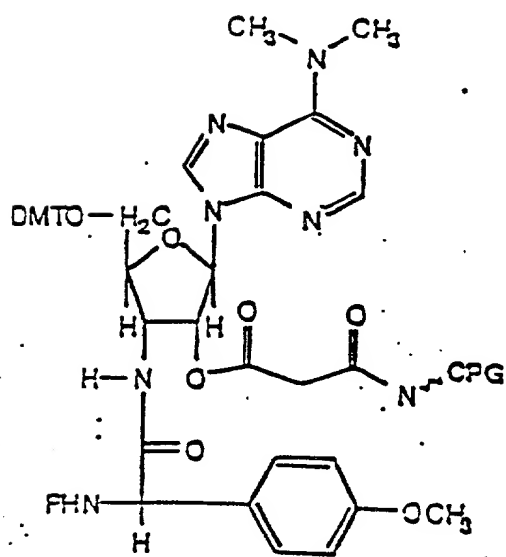
puromycin

protect amino group
with $(CF_3CO)_2$



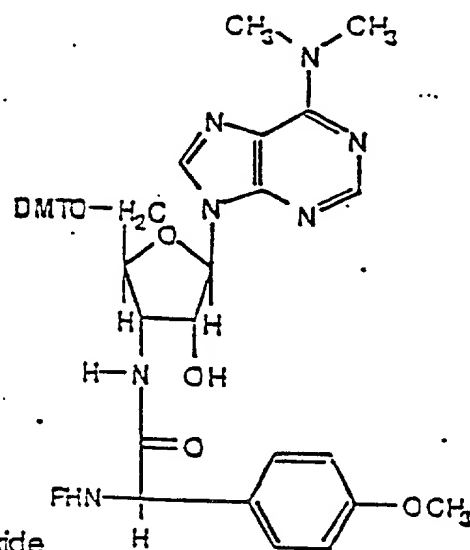
P = protecting group

protect 5'OH with
dimethyl chloride



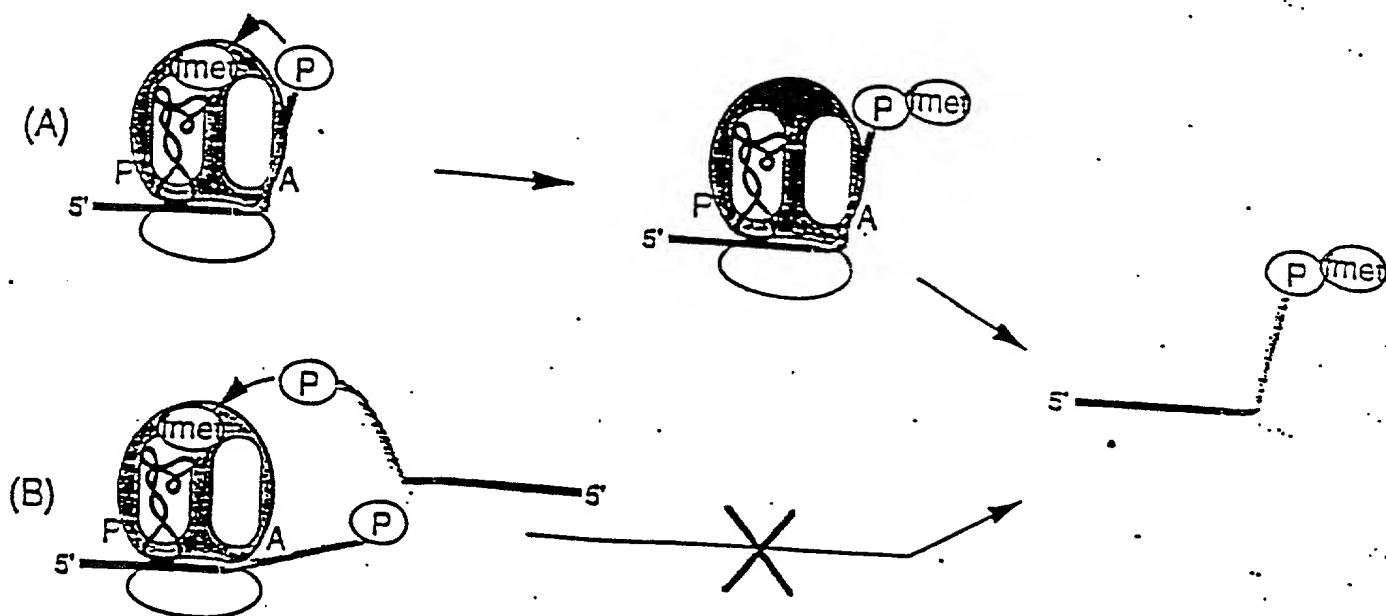
protected, CPG puromycin

link 2'OH to solid
support alkyl amine
CPG with
1) DCC/succinic anhydride
2) p-nitrophenol

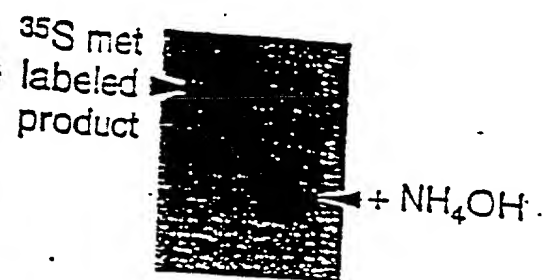
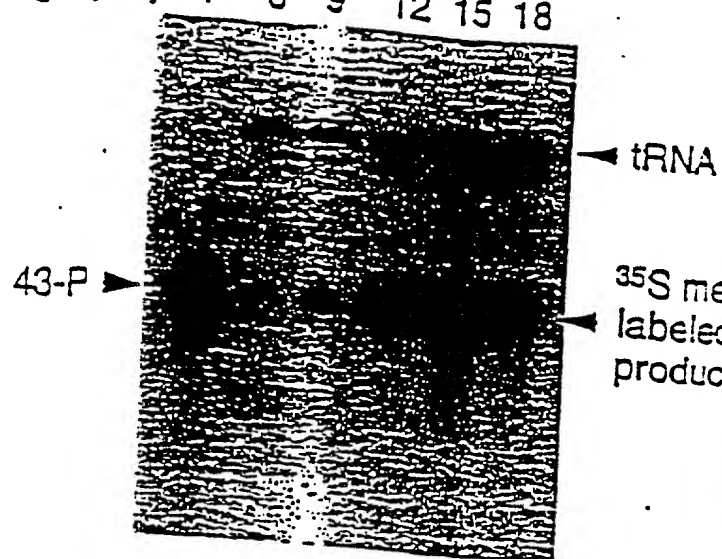


Use as solid support in
automated DNA synthesizer
-cleavage yields 3' puromycin
tethered oligonucleotide

FIG. 5



Lane	1	3	4	5	6	
Mg ²⁺ [mM]	32P	6	9	12	15	18



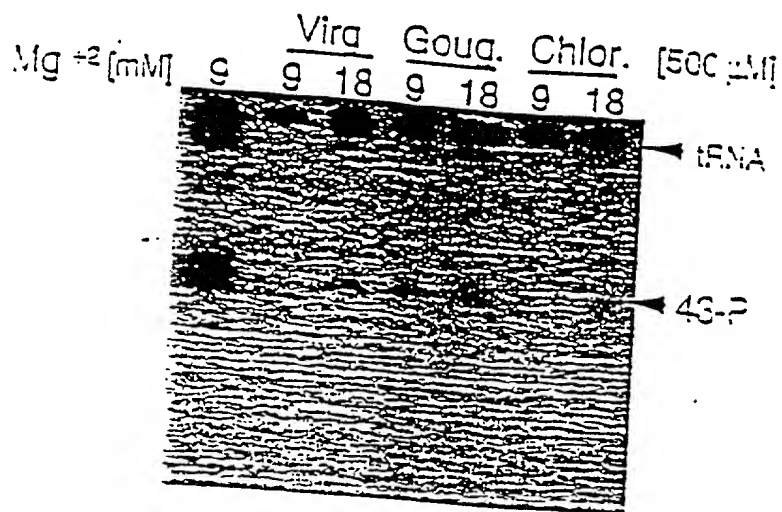


FIG. 6C

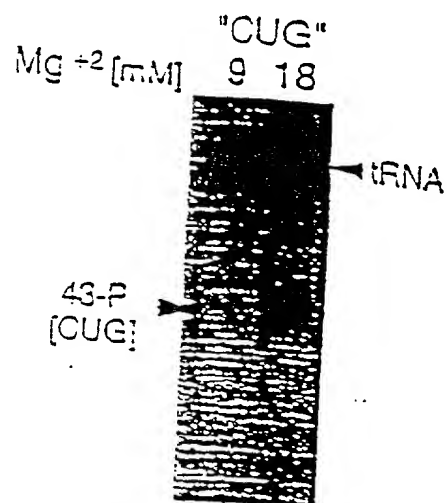


FIG. 6D

Linker (dA) _n	<u>n=27</u>		<u>n=24</u>		<u>n=21</u>		<u>n=18</u>	
Mg ²⁺ [mM]	9	18	9	18	9	18	9	18



FIG. 6E

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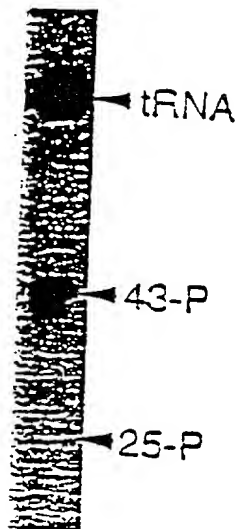


FIG. 6F

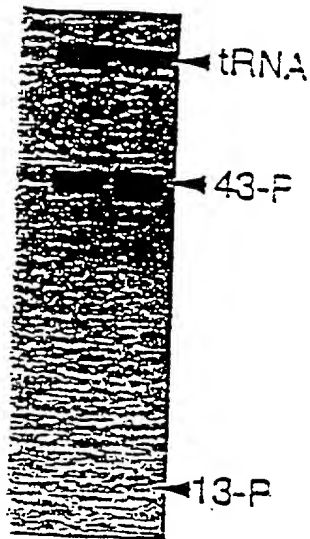


FIG. 6G

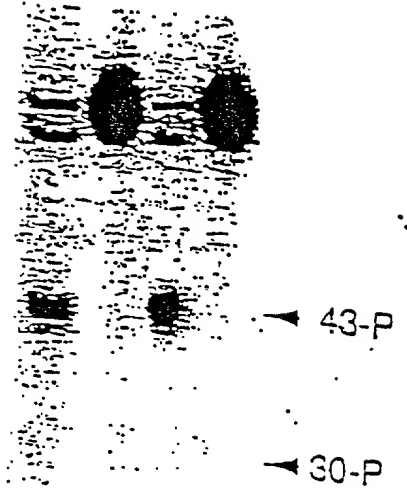


FIG. 6H

FIG. 7A

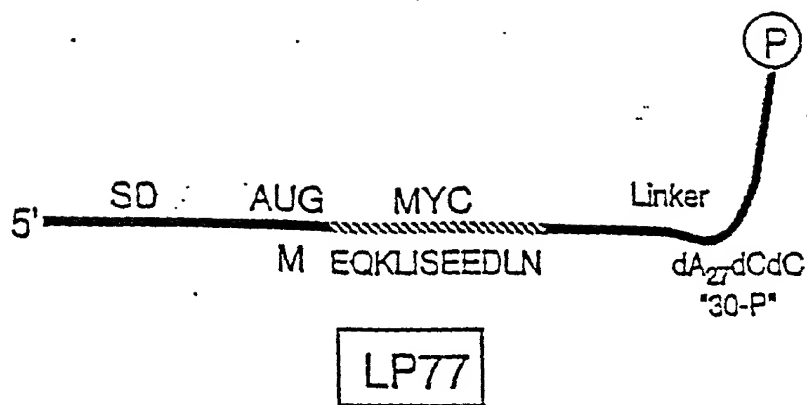


FIG. 7B

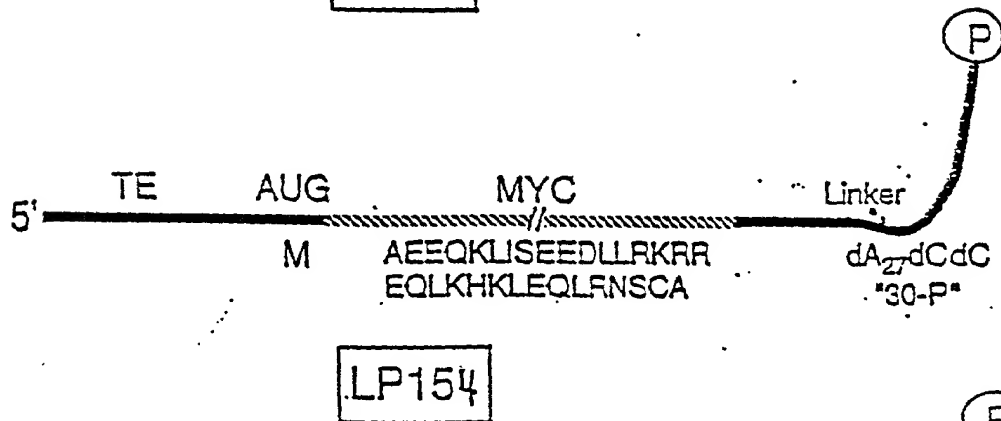
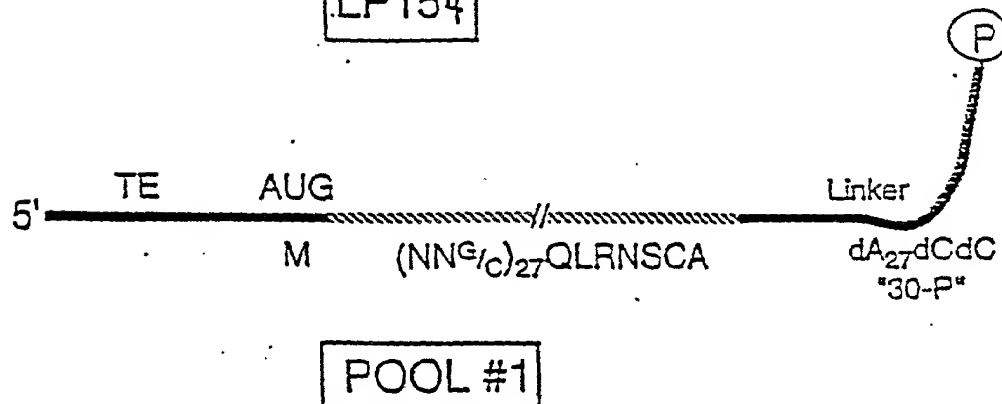


FIG. 7C



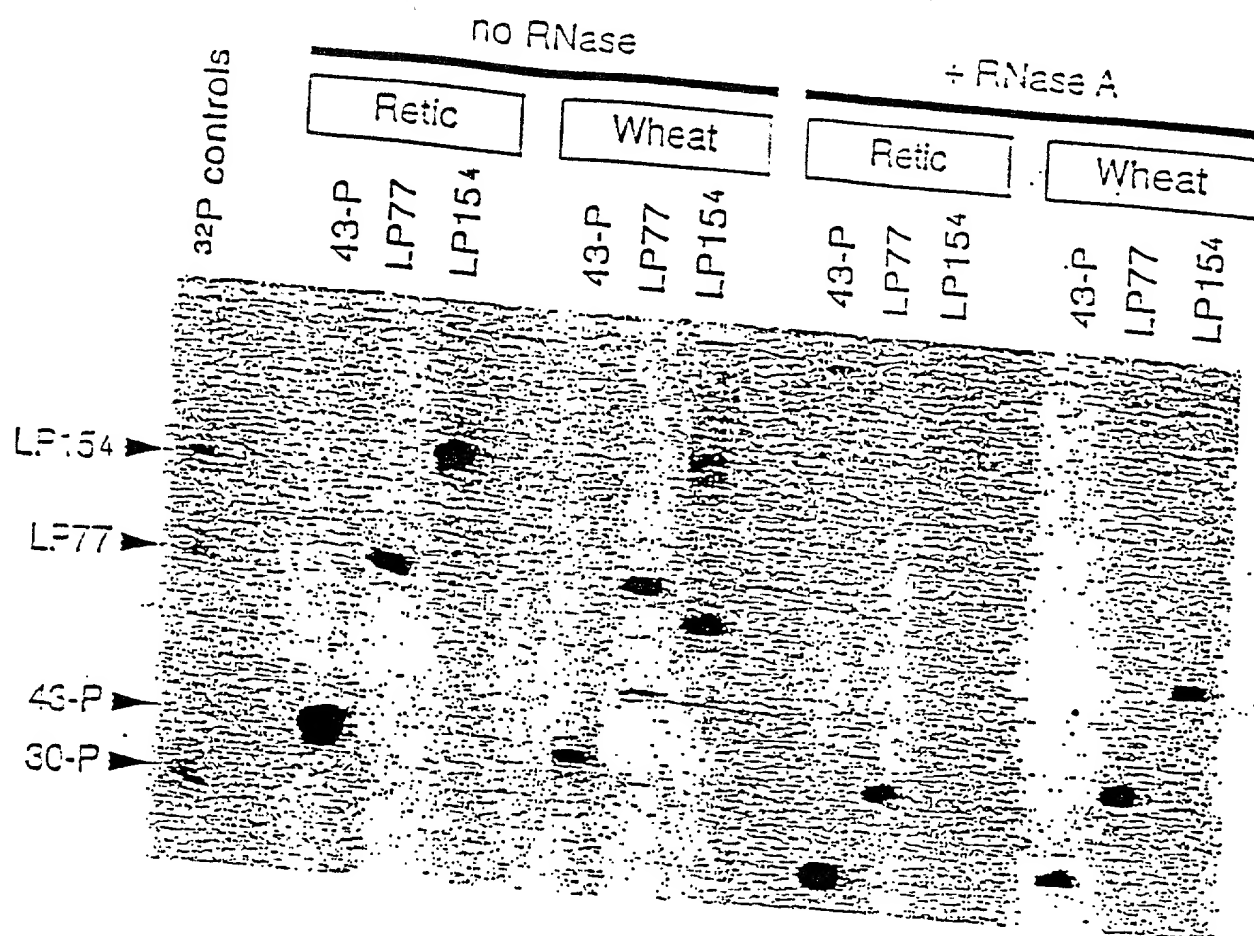
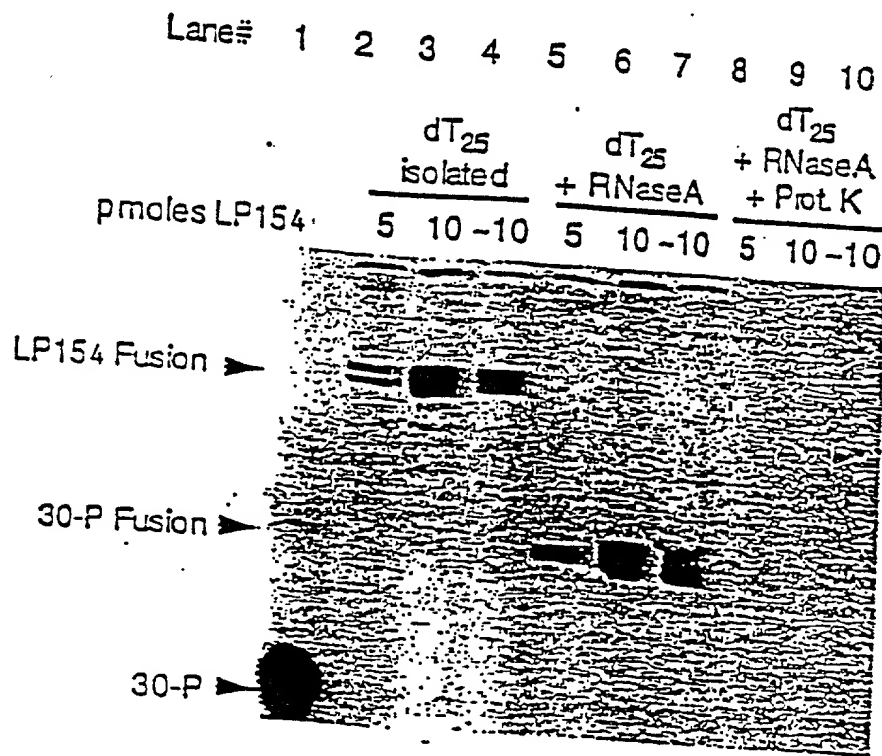


FIG. 8

FIG. 9

Effects of RNase A and Proteinase K on fusion



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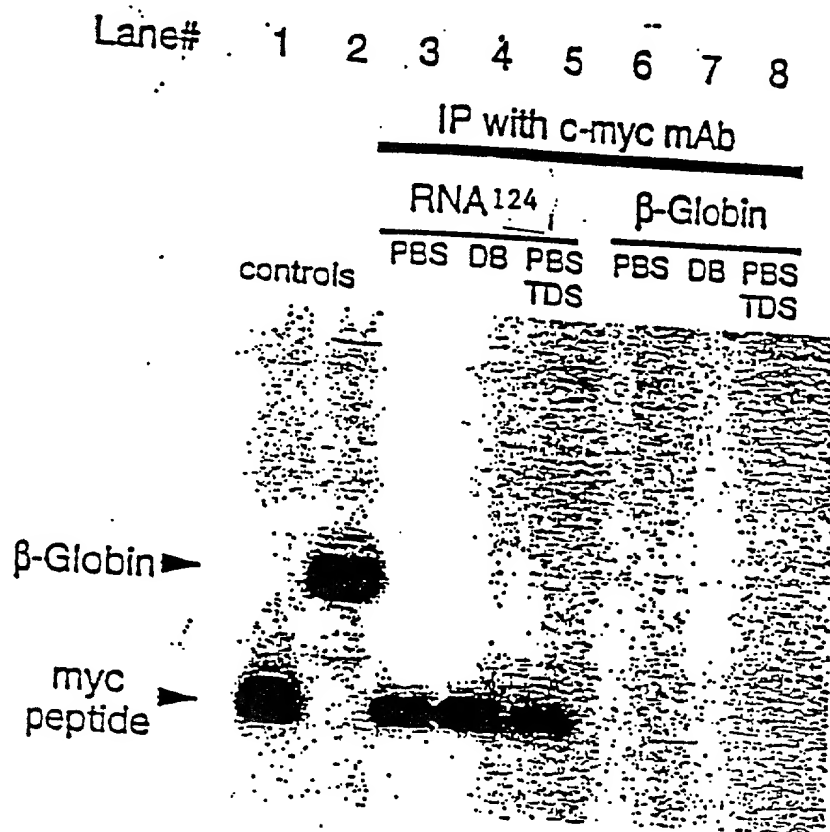
[illegible]

FIG. 11

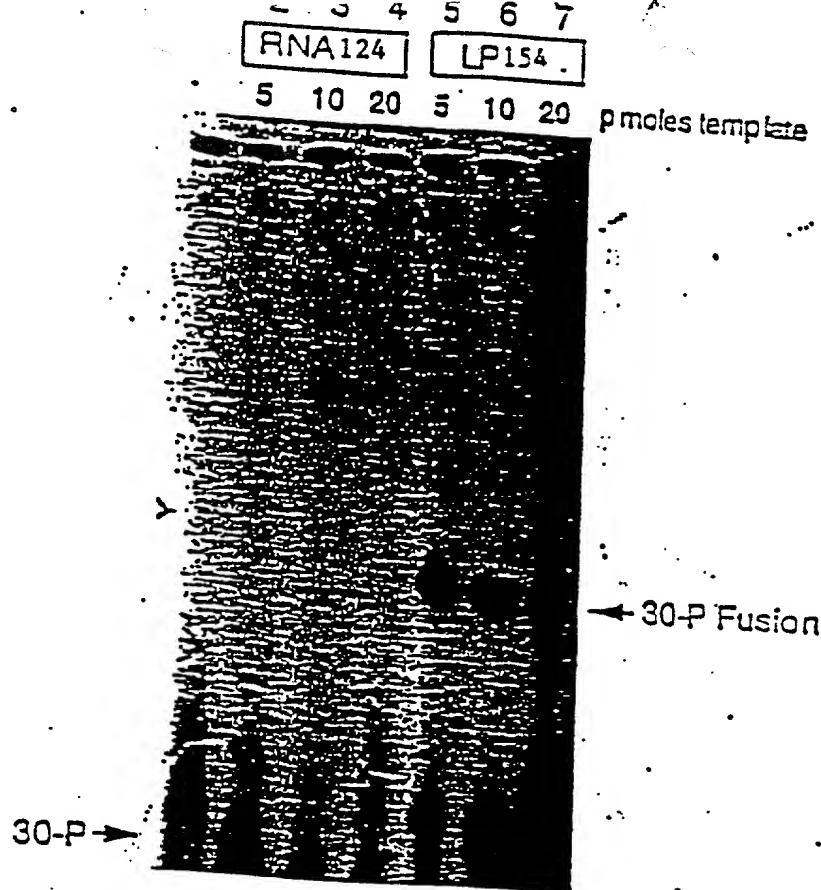


FIG. 12

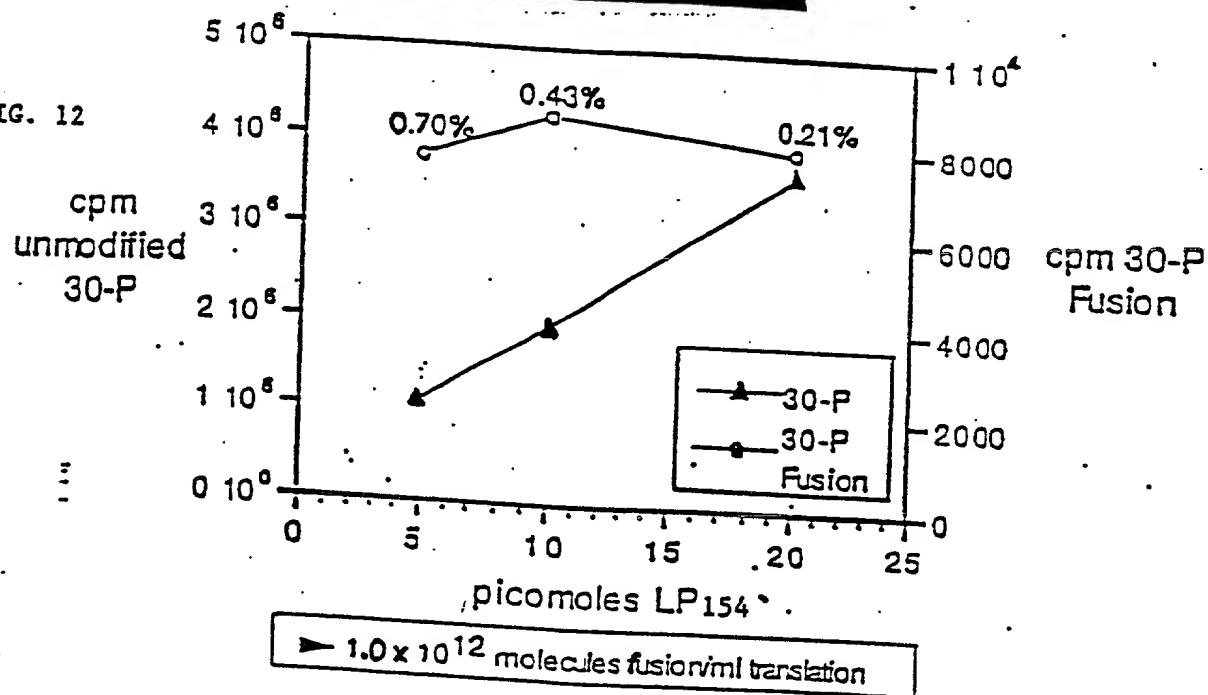


FIG. 13

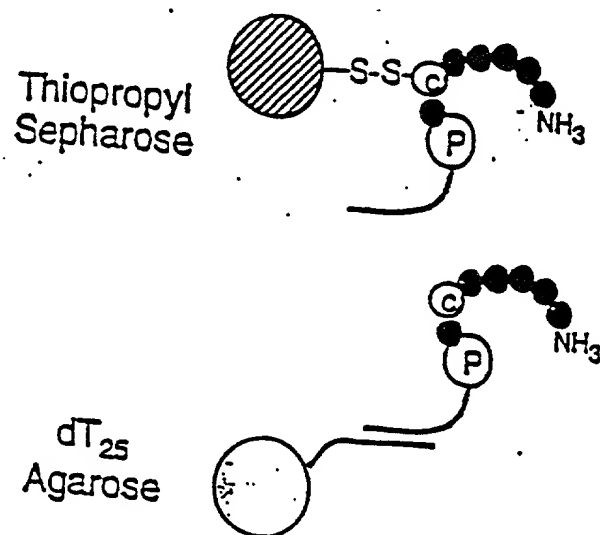
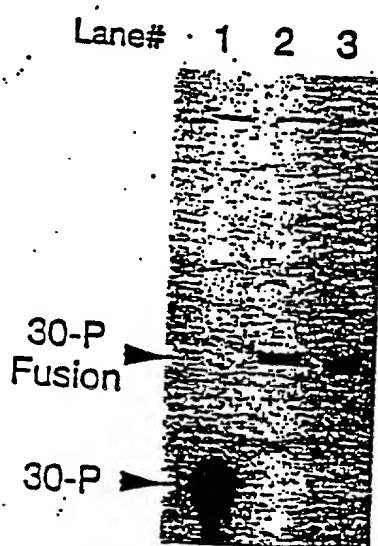


FIG. 14



52294860

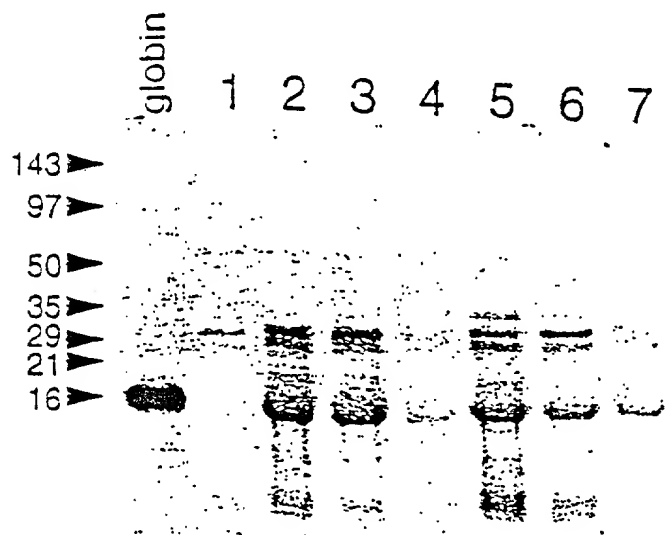


FIG. 15A

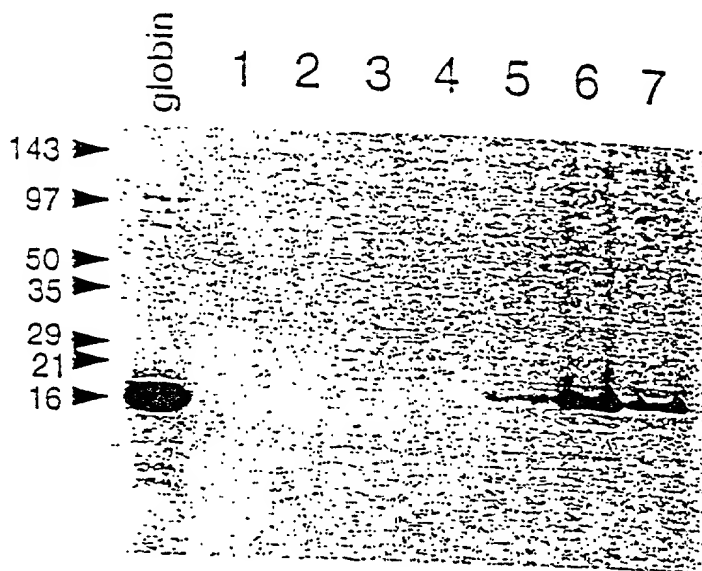


FIG. 15B

FIG. 16 A

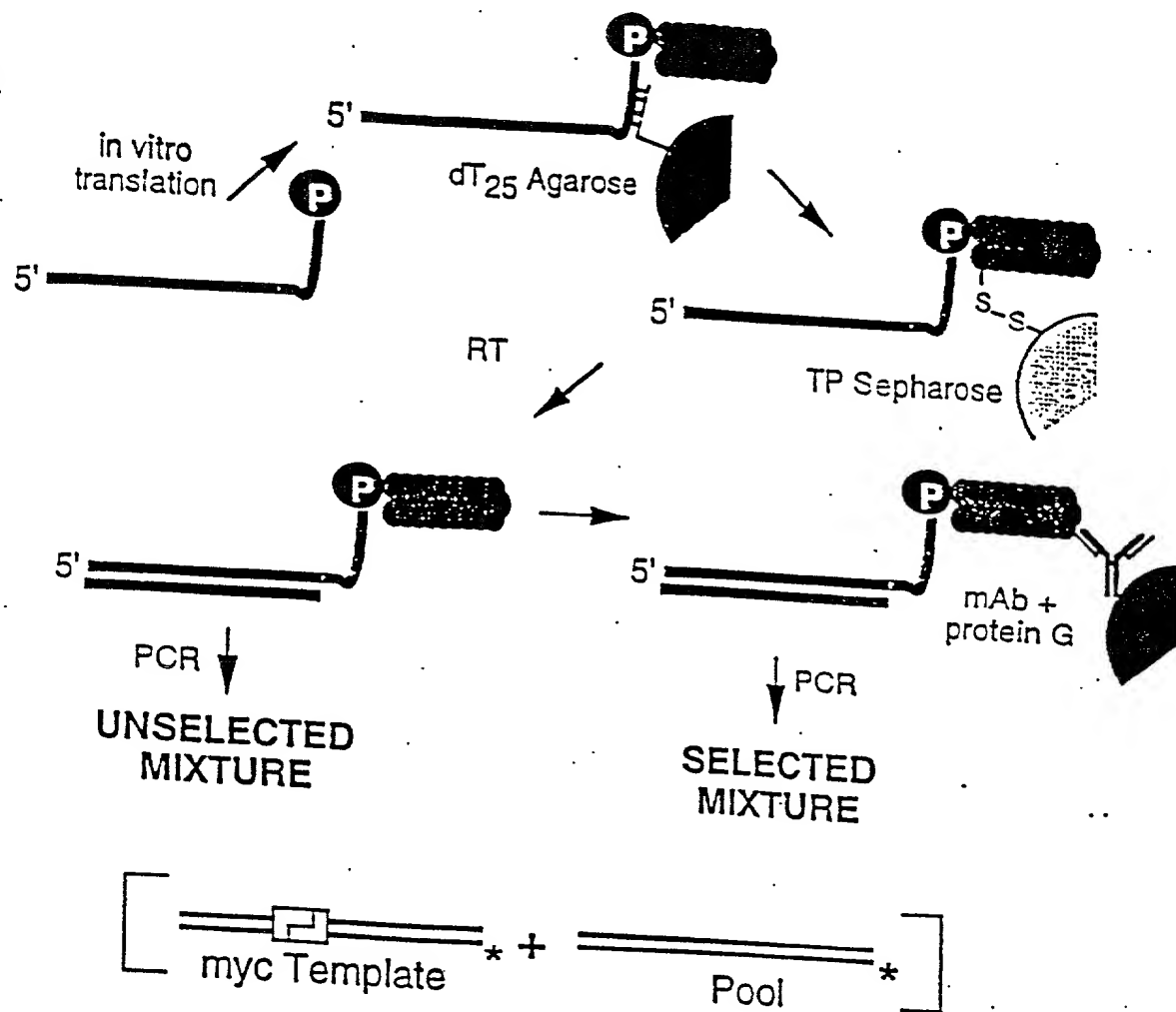


FIG. 16 B

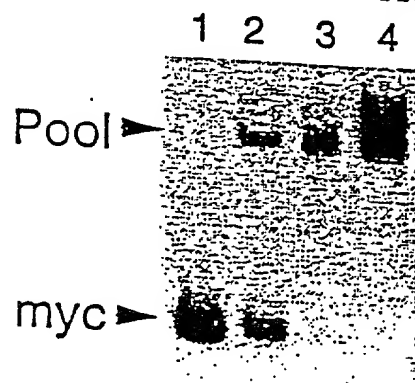
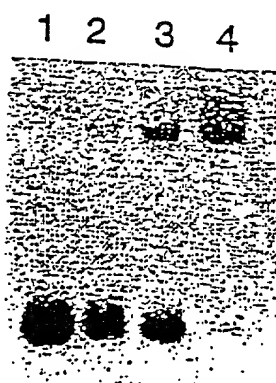


FIG. 16 C



00879235-060501

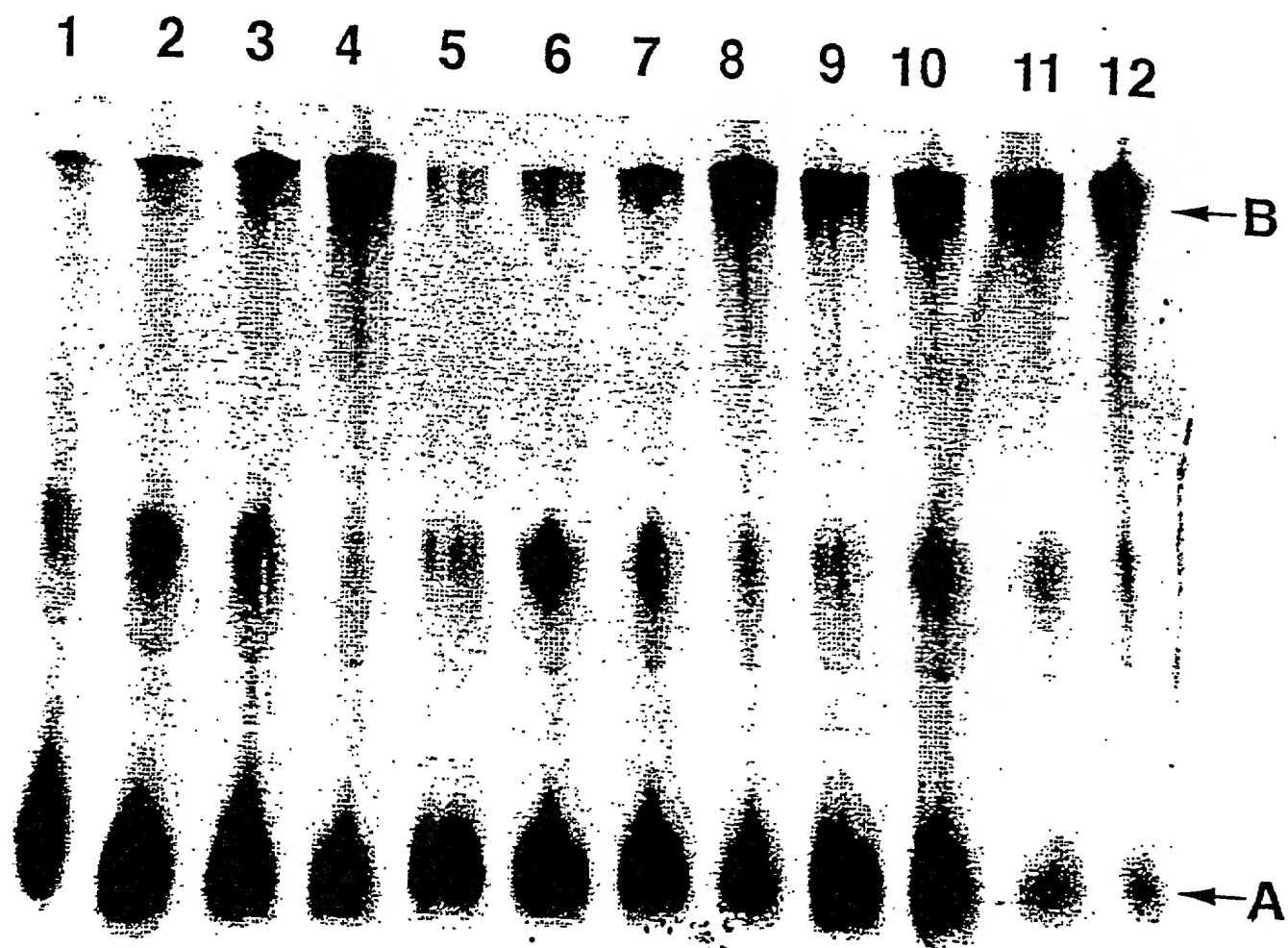


FIG. 17

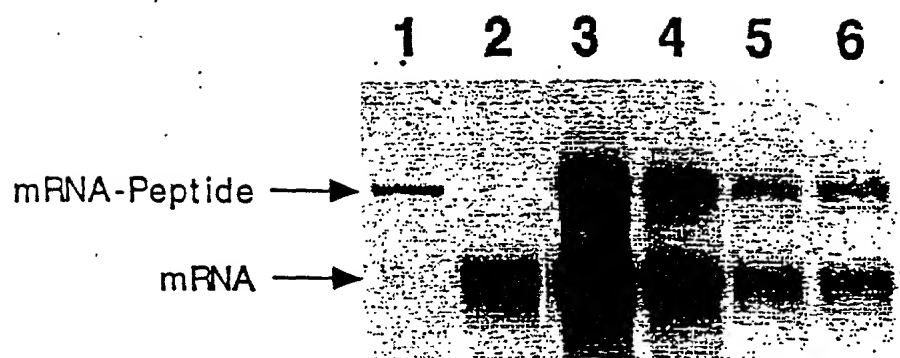


FIG. 18

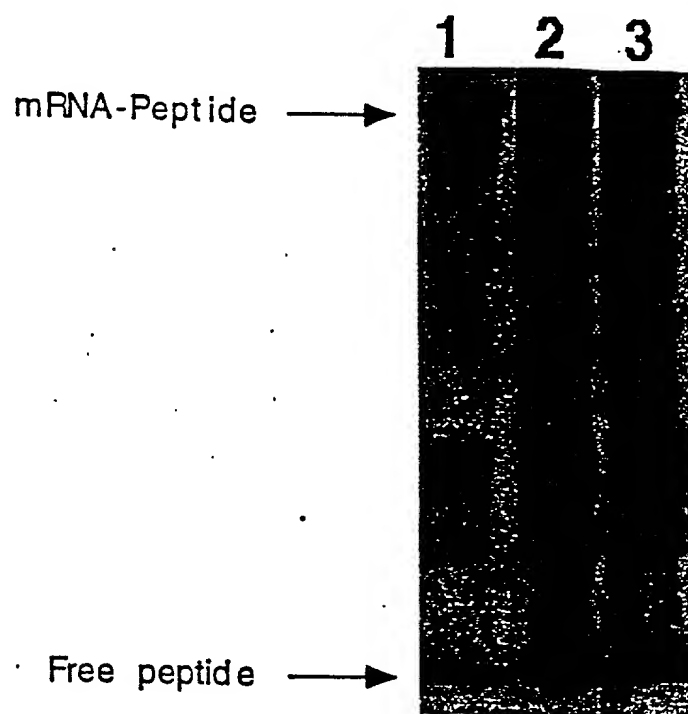


FIG. 19

FIG. 20

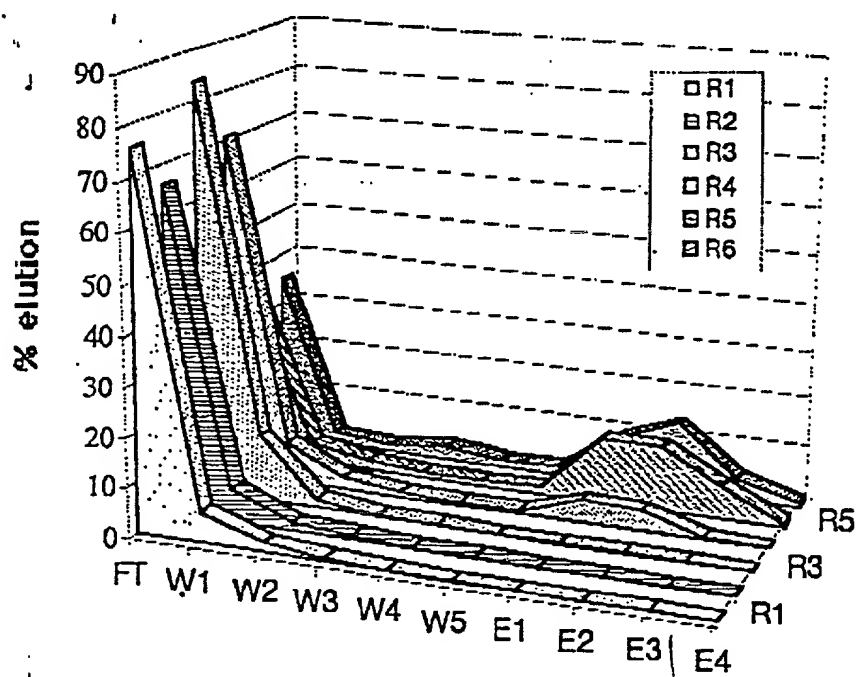


FIG. 21

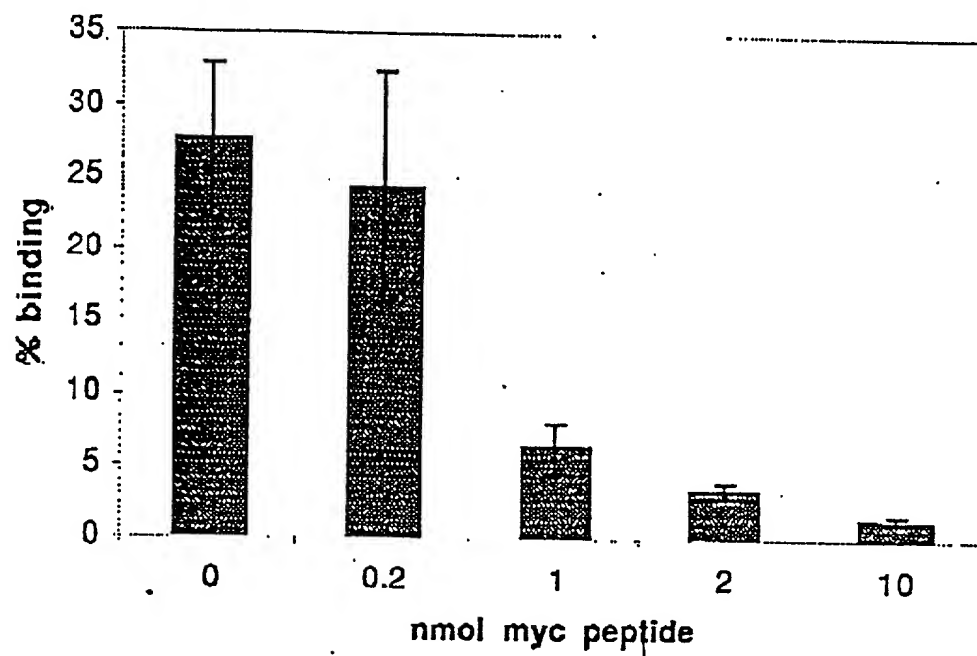


FIG. 22

c-myc epitope	E	Q	K	L	I	S	E	E	D	L
R6-51	C	A	S	V	L	S	E	R	E	C
R6-52	E	E	Y	L	V	S	E	Y	V	M
R6-53	R	Q	Y	L	L	S	E	Y	E	H
R6-55	L	Q	R	L	L	S	E	Q	M	F
R6-56	I	V	R	L	L	S	E	Y	H	M
R6-58	E	E	Y	L	L	S	E	Y	V	M
R6-60	M	Q	N	L	L	S	E	H	E	L
R6-61	T	M	D	L	L	P	E	H	Y	M
R6-63	E	Q	K	L	L	S	E	E	D	L
R6-65	D	M	M	L	L	S	E	K	E	L
R6-67	F	Q	A	L	L	A	E	E	E	L
R6-68	Q	R	V	L	L	S	E	F	W	L
consensus	X	Q/E	X	L	I	S	E	X	X	LM

09676235-050501

105090-5294860

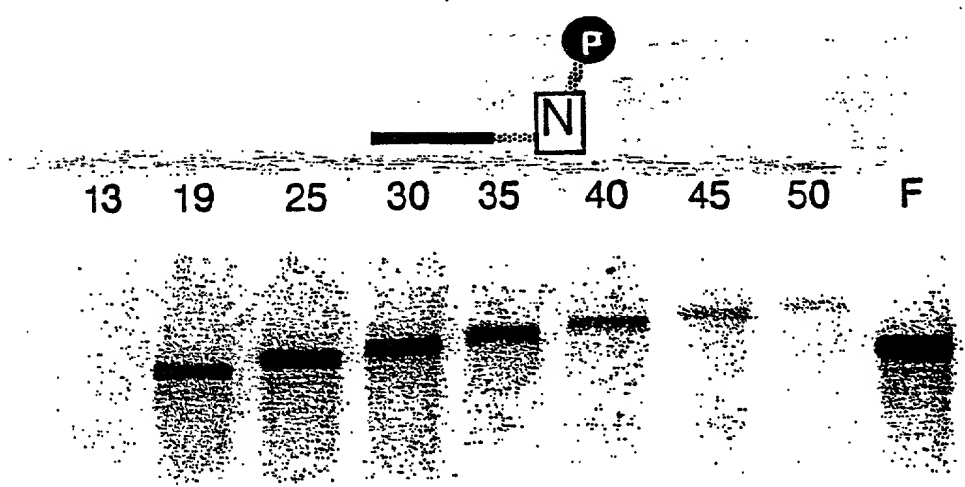


FIG. 23

Diagram illustrating a cross-linking experiment between λ PPase and myc. The constructs are shown as 5' ends of DNA/RNA molecules. The top construct has a λ PPase tag, and the bottom construct has a myc tag. Both constructs have a phosphorylated intermediate (P) that can cross-link to the other tag. The resulting cross-product is shown as a band in the gel. The gel has three lanes: Lane 1 (Template λ PPase +, myc -) shows a strong cross-product band. Lane 2 (Template λ PPase +, myc +) shows a strong cross-product band. Lane 3 (Template λ PPase -, myc +) shows a strong cross-product band. The cross-product is labeled "cross-product" with a bracket pointing to the bands in all three lanes.